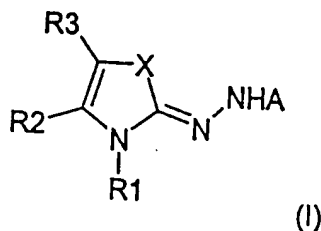


CLAIMS

- (Original)
1. Agent for coloring fibers (A), characterized in that it contains  
(a) at least one hydrazone derivative of formula (I) or a physiologically compatible salt thereof



wherein

**X** denotes oxygen or sulfur,

**A** denotes hydrogen, an acetyl group, a trifluoroacetyl group, a formyl group, a (C<sub>1</sub>-C<sub>6</sub>)-alkylsulfonyl group or an arylsulfonyl group;

**R1** denotes a saturated or unsaturated (C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a halogen (F, Cl, Br, I)-substituted (C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a hydroxy-(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, an amino-(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a sulfonic acid-(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a formyl group, a C(O)-(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a C(O)-phenyl group, a C(O)NH-(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a C(O)NH-phenyl group, a substituted or unsubstituted phenyl group or a benzyl group;

**R2** and **R3** can be equal or different and independently of each other denote hydrogen, a halogen atom (F, Cl, Br, I), a saturated or unsaturated (C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a halogen (F, Cl, Br, I)-substituted (C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a hydroxy-(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a (C<sub>1</sub>-C<sub>12</sub>)-alkoxy group, a cyano group, a nitro group, an amino group, a (C<sub>1</sub>-C<sub>12</sub>)-alkylamino group, a (C<sub>1</sub>-C<sub>12</sub>)-dialkylamino group, a carboxylic acid, a C(O)O-(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a substituted or unsubstituted C(O)O-phenyl group, a substituted or unsubstituted phenyl group or a naphthyl group;

or **R2** and **R3** together with the remainder of the molecule form a heterocyclic or carbocyclic, saturated or unsaturated, substituted or unsubstituted ring system;

(b) at least one known coupler or a physiologically compatible salt thereof; and

(c) a persulfate salt as oxidant.

- (Original)
2. Agent according to claim 1, characterized in that **X** denotes sulfur and **A** stands for hydrogen, **R1** denotes a saturated or unsaturated (C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a hydroxy-(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, an amino-(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, or a substituted or unsubstituted phenyl group, and **R2** and **R3** independently of each other denote hydrogen, a saturated or unsaturated

(C<sub>1</sub>-C<sub>12</sub>)-alkyl group, a cyano group, a nitro group, an amino group, a (C<sub>1</sub>-C<sub>12</sub>)-alkylamino group, a (C<sub>1</sub>-C<sub>12</sub>)-dialkylamino group, a C(O)O-alkyl group or a substituted or unsubstituted phenyl group or a naphthyl group, or **R2** and **R3** together with the remainder of the molecule form a carbocyclic, unsaturated, substituted or unsubstituted ring system.

*(currently amended)*

3. Agent according to claim 1 ~~or 2~~, characterized in that the hydrazone derivative of formula (I) is selected from among

3-methyl-2(3H)-thiazolone hydrazone,  
3,4-dimethyl-2(3H)-thiazolone hydrazone,  
4-tert.butyl-3-methyl-2(3H)-thiazolone hydrazone,  
3-methyl-4-phenyl-2(3H)-thiazolone hydrazone,  
3-methyl-4-(4-tolyl)-2(3H)-thiazolone hydrazone,  
4-(4-methoxy)phenyl-3-methyl-2(3H)-thiazolone hydrazone,  
4-(4-ethoxy)phenyl-3-methyl-2(3H)-thiazolone hydrazone,  
4-(4-bromophenyl)-3-methyl-2(3H)-thiazolone hydrazone,  
4-(3-bromophenyl)-3-methyl-2(3H)-thiazolone hydrazone,  
4-(4-chlorophenyl)-3-methyl-2(3H)-thiazolone hydrazone,  
4-(3-chlorophenyl)-3-methyl-2(3H)-thiazolone hydrazone,  
3-methyl-4-(4-nitrophenyl)-2(3H)-thiazolone hydrazone,  
3-methyl-4-(3-nitrophenyl)-2(3H)-thiazolone hydrazone,  
4-[(1,1'-biphenyl)-4-yl]-3-methyl-2(3H)-thiazolone hydrazone,  
3-methyl-4-(2-naphthalenyl)-2(3H)-thiazolone,  
ethyl 2-hydrazono-2,3-dihydro-3-methyl-4-thiazolecarboxylate,  
3,4,5-trimethyl-2(3H)-thiazolone hydrazone,  
3,4-dimethyl-5-phenyl-2(3H)-thiazolone hydrazone,  
3,5-dimethyl-4-phenyl-2(3H)-thiazolone hydrazone,  
3-methyl-4,5-diphenyl-2(3H)-thiazolone hydrazone,  
5-ethyl-3-methyl-4-phenyl-2(3H)-thiazolone hydrazone,  
4-(4-bromophenyl)-3-methyl-5-phenyl-2(3H)-thiazolone hydrazone,  
3-methyl-5-phenyl-4-(4-tolyl)-2(3H)-thiazolone hydrazone,  
5-(4-chlorophenyl)-4-phenyl-3-methyl-2(3H)-thiazolone hydrazone,  
5-(4-chlorophenyl)-4-(4-methoxyphenyl)-3-methyl-2(3H)-thiazolone hydrazone,  
ethyl 2-hydrazono-2,3-dihydro-3,4-dimethyl-4-thiazolecarboxylate,  
4-amino-2-hydrazono-2,3-dihydro-3-methyl-5-thiazolecarbonitrile,  
3-ethyl-4,5-dimethyl-2(3H)-thiazolone hydrazone,  
ethyl 2-hydrazono-2,3-dihydro-3-ethyl-4-methylthiazolecarboxylate,

5-methyl-3-(1-methylethyl)-4-phenyl-2(3H)-thiazolone hydrazone,  
 4,5-dimethyl-3-(1-methylethyl)-2(3H)-thiazolone hydrazone,  
 3-(1-methylethyl)-4,5-diphenyl-2(3H)-thiazolone hydrazone,  
 4,5-dimethyl-3-propyl-2(3H)-thiazolone hydrazone,  
 4,5-diphenyl-3-propyl-2(3H)-thiazolone hydrazone,  
 3-butyl-4,5-diphenyl-2(3H)-thiazolone hydrazone,  
 4,5-dimethyl-3-(2-methylpropyl)-2(3H)-thiazolone hydrazone,  
 3-(2-methylpropyl)-4,5-diphenyl-2(3H)-thiazolone hydrazone,  
 3-hydroxyethyl-2(3H)-thiazolone hydrazone,  
 3-hydroxyethyl-4-methyl-2(3H)-thiazolone hydrazone,  
 3-hydroxyethyl-4,5-dimethyl-2(3H)-thiazolone hydrazone,  
 3-aminoethyl-2(3H)-thiazolone hydrazone,  
 3-aminoethyl-4-methyl-2(3H)-thiazolone hydrazone,  
 3-aminoethyl-4,5-dimethyl-2(3H)-thiazolone hydrazone,  
 3,4-diphenyl-2(3H)-thiazolone hydrazone,  
 4-methyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 4-p-biphenyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 4-(4-methoxy)phenyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 4-tert.butyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 4,5-dimethyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 5-methyl-3,4-diphenyl-2(3H)-thiazolone hydrazone,  
 3,4,5-triphenyl-2(3H)-thiazolone hydrazone,  
 4,5-dimethyl-3-(phenylmethyl)-2(3H)-thiazolone hydrazone,  
 3-(2-propenyl)-2(3H)-thiazolone hydrazone,  
 4-methyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,  
 4-tert.butyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,  
 4-phenyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,  
 4,5-dimethyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,  
 4,5-diphenyl-3-(2-propenyl)-2(3H)-thiazolone hydrazone,  
 ethyl 2-hydrazono-2,3-dihydro-3-[(phenylamino)carbonyl]-4-methylthiazolecarboxylate,  
 3-methyl-4,5,6,7-tetrahydro-2(3H)-benzothiazolone hydrazone,  
 3-methyl-2(3H)-benzothiazolone hydrazone,  
 3,6-dimethyl-2(3H)-benzothiazolone hydrazone,  
 6-chloro-3-methyl-2(3H)-benzothiazolone hydrazone,  
 7-chloro-3-methyl-2(3H)-benzothiazolone hydrazone,  
 6-hydroxy-3-methyl-2(3H)-benzothiazolone hydrazone,  
 5-methoxy-3-methyl-2(3H)-benzothiazolone hydrazone,

7-methoxy-3-methyl-2(3H)-benzothiazolone hydrazone,  
 5,6-dimethoxy-3-methyl-2(3H)-benzothiazolone hydrazone,  
 5-ethoxy-3-methyl-2(3H)-benzothiazolone hydrazone,  
 6-ethoxy-3-methyl-2(3H)-benzothiazolone hydrazone,  
 3-methyl-5-nitro-2(3H)-benzothiazolone hydrazone,  
 3-methyl-6-nitro-2(3H)-benzothiazolone hydrazone,  
 5-acetamido-3-methyl-2(3H)-benzothiazolone hydrazone,  
 6-acetamido-3-methyl-2(3H)-benzothiazolone hydrazone,  
 5-anilino-3-methyl-2(3H)-benzothiazolone hydrazone,  
 6-anilino-3-methyl-2(3H)-benzothiazolone hydrazone,  
 2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolecarboxylic acid,  
 2-hydrazono-2,3-dihydro-3-methyl-4-benzothiazolesulfonic acid,  
 2-hydrazono-2,3-dihydro-3-methyl-5-benzothiazolesulfonic acid,  
 2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolesulfonic acid,  
 2-hydrazono-2,3-dihydro-3-methyl-7-benzothiazolesulfonic acid,  
 2-hydrazono-2,3-dihydro-N,N,3-trimethyl-6-benzothiazolesulfonamide,  
 [(2-hydrazono-2,3-dihydro-3-methyl-6-benzothiazolyl)oxy]acethydrazide,  
 3-methylnaphtho[2,3-d]thiazole-2(3H)-one hydrazone,  
 3-ethyl-2(3H)-benzothiazolone hydrazone,  
 6-ethoxy-3-ethyl-2(3H)-benzothiazolone hydrazone,  
 3-propyl-2(3H)-benzothiazolone hydrazone,  
 3-butyl-2(3H)-benzothiazolone hydrazone,  
 3-hexyl-2(3H)-benzothiazolone hydrazone,  
 3-hydroxyethyl-2(3H)-benzothiazolone hydrazone,  
 3-aminoethyl-2(3H)-benzothiazolone hydrazone,  
 3-p-methylbenzyl-2(3H)-benzothiazolone hydrazone,  
 2-hydrazono-2,3-dihydro-3-(2-hydroxyethyl)-6-benzothiazolecarboxylic acid,  
 2-hydrazono-2,3-dihydro-6-methoxy-3(2H)-benzothiazolepropanesulfonic acid,  
 6-hexadecyloxy-2-hydrazono-3(2H)-benzothiazolepropanesulfonic acid,  
 ethyl 2-keto-3-benzothiazoline acetate hydrazone,  
 3-acetyl-2(3H)-benzothiazolone hydrazone,  
 2-hydrazono-3(2H)-benzothiazole carboxaldehyde,  
 3-methyl-2(3H)-oxazolone hydrazone,  
 3-phenyl-2(3H)-oxazolone hydrazone,  
 3-methyl-2(3H)-benzoxazolone hydrazone,  
 3-phenyl-2(3H)-benzoxazolone hydrazone,  
 N-acetyl-3-methyl-2(3H)-thiazolone hydrazone,

N-acetyl-3,4-dimethyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-3-methyl-4-phenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-4-(4-methoxy)phenyl-3-methyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-3-methyl-4-(4-nitrophenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-4-[(1,1'-biphenyl)4-yl]-3-methyl-2(3H)-thiazolone hydrazone  
 N-acetyl-3-methyl-4-(2-naphthalenyl)-2(3H)-thiazolone hydrazone  
 ethyl N-acetyl-2-hydrazono-2,3-dihydro-3-methyl-4-thiazolecarboxylate  
 N-acetyl-3,4,5-trimethyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-3,4,-dimethyl-5-phenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-3,5,-dimethyl-4-phenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-3-methyl-4,5-diphenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-3-ethyl-4,5-dimethyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-4-methyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-3,4-diphenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-4-p-biphenyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-4-(4-methoxy)phenyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-4-tert.butyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-4,5-dimethyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-5-methyl-3,4-diphenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-3,4,5-triphenyl-2(3H)-thiazolone hydrazone,  
 N-acetyl-3-methyl-2(3H)-benzothiazolone hydrazone,  
 N-acetyl-3-ethyl-2(3H)-benzothiazolone hydrazone,  
 N-acetyl-3-butyl-2(3H)-benzothiazolone hydrazone,  
 N-acetyl-3-hexyl-2(3H)-benzothiazolone hydrazone,  
 N-acetyl-3-p-methylbenzyl-2(3H)-benzothiazolone hydrazone,  
 N-acetyl-3-methyl-2(3H)-oxazolone hydrazone,  
 N-acetyl-3-phenyl-2(3H)-oxazolone hydrazone,  
 N-acetyl-3-methyl-2(3H)-benzoxazolone hydrazone,  
 N-acetyl-3-phenyl-2(3H)-benzoxazolone hydrazone,  
 N-formyl-3-methyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3,4-dimethyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3-methyl-4-phenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-4-(4-methoxy)phenyl-3-methyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3-methyl-4-(4-nitrophenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-4-[(1,1'-biphenyl)4-yl]-3-methyl-2(3H)-thiazolone hydrazone  
 N-formyl-3-methyl-4-(2-naphthalenyl)-2(3H)-thiazolone hydrazone  
 ethyl N-formyl-2-hydrazono-2,3-dihydro-3-methyl-4-thiazolecarboxylate

N-formyl-3,4,5-trimethyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3,4,-dimethyl-5-phenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3,5,-dimethyl-4-phenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3-methyl-4,5-diphenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3-ethyl-4,5-dimethyl-2(3H)-thiazolone hydrazone,  
 N-formyl-4-methyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3,4-diphenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-4-p-biphenyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-4-(4-methoxy)phenyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-4-tert.butyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-4,5-dimethyl-3-phenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-5-methyl-3,4-diphenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3,4,5-triphenyl-2(3H)-thiazolone hydrazone,  
 N-formyl-3-methyl-2(3H)-benzothiazolone hydrazone,  
 N-formyl-3-ethyl-2(3H)-benzothiazolone hydrazone,  
 N-formyl-3-butyl-2(3H)-benzothiazolone hydrazone,  
 N-formyl-3-hexyl-2(3H)-benzothiazolone hydrazone,  
 N-formyl-3-p-methylbenzyl-2(3H)-benzothiazolone hydrazone,  
 N-formyl-3-methyl-2(3H)-oxazolone hydrazone,  
 N-formyl-3-phenyl-2(3H)-oxazolone hydrazone,  
 N-formyl-3-methyl-2(3H)-benzoxazolone hydrazone and  
 N-formyl-3-phenyl-2(3H)-benzoxazolone hydrazone.

*(currently amended)* claim 1

4. Agent according to ~~one of claims 1 to 3~~, characterized in that the coupler is selected from among

N-(3-dimethylaminophenyl)urea, 2,6-diaminopyridine, 2-amino-4-[(2-hydroxyethyl)amino]-anisole, 2,4-diamino-1-fluoro-5-methylbenzene, 2,4-diamino-1-methoxy-5-methylbenzene, 2,4-diamino-1-ethoxy-5-methylbenzene, 2,4-diamino-1-(2-hydroxyethoxy)-5-methylbenzene, 2,4-di[(2-hydroxyethyl)amino]-1,5-dimethoxybenzene, 2,3-diamino-6-methoxypyridine, 3-amino-6-methoxy-2-(methylamino)pyridine, 2,6-diamino-3,5-dimethoxypyridine, 3,5-diamino-2,6-dimethoxypyridine, 1,3-diaminobenzene, 2,4-diamino-1-(2-hydroxyethoxy)benzene, 1,3-diamino-4-(2,3-dihydroxypropoxy)benzene, 1,3-diamino-4-(3-hydroxypropoxy)benzene, 1,3-diamino-4-(2-methoxyethoxy)benzene, 2,4-diamino-1,5-di(2-hydroxyethoxy)benzene, 1-(2-aminoethoxy)-2,4-diaminobenzene, 2-amino-1-(2-hydroxyethoxy)-4-methylaminobenzene, 2,4-diaminophenoxyacetic acid, 3-[di(2-hydroxyethyl)amino]aniline, 4-amino-2-di[(2-hydroxyethyl)amino]-1-ethoxybenzene, 5-methyl-2-(1-methylethyl)phenol, 3-[(2-hydroxyethyl)amino]aniline, 3-[(2-aminoethyl)amino]aniline, 1,3-di(2,4-diaminophenoxy)-

propane, di(2,4-diaminophenoxy)methane, 1,3-diamino-2,4-dimethoxybenzene, 2,6-bis-(2-hydroxyethyl)aminotoluene, 4-hydroxyindole, 3-dimethylaminophenol, 3-diethylaminophenol, 5-amino-2-methylphenol, 5-amino-4-fluoro-2-methylphenol, 5-amino-4-methoxy-2-methylphenol, 5-amino-4-ethoxy-2-methylphenol, 3-amino-2,4-dichlorophenol, 5-amino-2,4-dichlorophenol, 3-amino-2-methylphenol, 3-amino-2-chloro-6-methylphenol, 3-aminophenol, 2-[(3-hydroxyphenyl)amino]acetamide, 5-[(2-hydroxyethyl)amino]-4-methoxy-2-methylphenol, 5-[(2-hydroxyethyl)amino]-2-methylphenol, 3-[(2-hydroxyethyl)amino]phenol, 3-[(2-methoxyethyl)amino]phenol, 5-amino-2-ethylphenol, 5-amino-2-methoxyphenol, 2-(4-amino-2-hydroxyphenoxy)ethanol, 5-[(3-hydroxypropyl)amino]-2-methylphenol, 3-[(2,3-dihydroxypropyl)amino]-2-methylphenol, 3-[(2-hydroxyethyl)amino]-2-methylphenol, 2-amino-3-hydroxypyridine, 2,6-dihydroxy-3,4-dimethylpyridine, 5-amino-4-chloro-2-methylphenol, 1-naphthol, 2-methyl-1-naphthol, 1,5-dihydroxynaphthalene, 1,7-dihydroxynaphthalene, 2,3-dihydroxynaphthalene, 2,7-dihydroxynaphthalene, 2-methyl-1-naphthol acetate, 1,3-dihydroxybenzene, 1-chloro-2,4-dihydroxybenzene, 2-chloro-1,3-dihydroxybenzene, 1,2-dichloro-3,5-dihydroxy-4-methylbenzene, 1,5-dichloro-2,4-dihydroxybenzene, 1,3-dihydroxy-2-methylbenzene, 3,4-methylenedioxyphenol, 3,4-methylenedioxyaniline, 5-[(2-hydroxyethyl)amino]-1,3-benzodioxole, 6-bromo-1-hydroxy-3,4-methylenedioxybenzene, 3,4-diaminobenzoic acid, 3,4-dihydro-6-hydroxy-1,4(2H)-benzoxazine, 6-amino-3,4-dihydro-1,4(2H)benzoxazine, 3-methyl-1-phenyl-5-pyrazolone, 5,6-dihydroxyindole, 5,6-dihydroxyindoline, 5-hydroxyindole, 6-hydroxyindole, 7-hydroxyindole and 2,3-indolinedione.

*(currently amended)*

claim 1

5. Agent according to ~~one of claims 1 to 4~~, characterized in that the persulfate salt is selected from among potassium persulfate, sodium persulfate and ammonium persulfate.

*(currently amended)*

claim 1

6. Agent according to ~~one of claims 1 to 5~~, characterized in that it contains the hydrazone derivatives of formula (I) and the couplers and persulfate salts in a total amount from 0.01 to 10 weight percent, each.

*(currently amended)*

claim 1

7. Agent according to ~~one of claims 1 to 5~~, characterized in that it additionally contains from 0.01 to 10 weight percent of a physiologically harmless direct dye from the group of cationic and anionic dyes, disperse dyes, nitro dyes, azo dyes, quinone dyes and triphenylmethane dyes.

*(currently amended)*

claim 1

8. Agent according to ~~one of claims 1 to 7~~, characterized in that it has a pH from 3 to 10.

*(currently amended)* claim 1

9. Agent according to ~~one of claims 1 to 8~~, characterized in that it is a hair colorant.

*(original)*

10. Two-component kit consisting of a dye carrier composition (A1) containing the compound of formula (I), another dye carrier composition (A2) containing the couplers and persulfate salts, and optionally an agent for adjusting the pH.

*(original)*

11. Two-component kit the first component of which consists of a powder containing the compounds of formula (I), the couplers and the persulfate salts and optionally other common powdered cosmetic additives, and the second component of which is water or a liquid cosmetic preparation optionally containing an agent for adjusting the pH.

*(currently amended)*

claim 1

12. Method for coloring hair whereby a hair colorant according to ~~one of claims 1 to 9~~ is applied to the hair, and after an exposure time of 5 to 60 minutes at a temperature from 20 to 50 °C the hair is rinsed with water, optionally washed with a shampoo and then dried.

*(currently amended)*

13. Method for coloring hair whereby the ready-for-use colorant (A) is prepared just before use by mixing two components (A1) and (A2) – optionally with addition of an alkalinizing agent or an acid – and is then applied to the hair, and after an exposure time of 5 to 60 minutes at a temperature from 20 to 50 °C the hair is rinsed with water, optionally washed with a shampoo and then dried, characterized in that a colorant (A) obtained by mixing two components (A1) and (A2) according to claim 10 ~~or 11~~ is used.